AMENDMENT TO THE CLAIMS:

Please amend claims 12-15; the current claim status is as follows:

Claim 1. (cancelled)

Claim 2. (cancelled)

Claim 3. *(previously presented)* The holder of claim 12 in which the chambers are arranged in columns and rows in a matrix in the block assembly.

Claim 4. *(previously presented)* The holder of claim 3 in which the relationship of the number, (N), of chambers in the rows to the number, (N), of chambers in the columns is N = N.

Claim 5. *(previously presented)* The holder of claim 3 in which the relationship of the number, N, of chambers in one column to the number of chambers in an adjacent column is chambers in column_N = N and substrates in column_{N+1} = N+1.

Claim 6. *(previously presented)* The holder of claim 3 in which the relationship of the number, N, of chambers in one row to the number of chambers in an adjacent row is chambers in $row_N = N$ and chambers in $row_{N-1} = N-1$.

Claim 7. (cancelled)

Claim 8. (cancelled)

Claim 9. (previously presented) The holder of claim 12 including a mask

interposed between the front end of the electrode and the face plate in which the mask

is inset within the chamber such that the transverse cross-section area of an opening in

the mask is less than the transverse cross-section area of the upper surface of the

electrode.

Claim 10. (cancelled)

Claim 11. (cancelled)

Claim 12. (currently amended) A holder for maintaining substrates in an array in a

programmable matrix in which the substrates in a batch are subjected to a high

throughput combinatorial materials deposition process comprising:

a block assembly formed from a face plate, middle block and a removable rear

retainer plate attached in parallel in a serial sequence and aligned with each other along

a common center axis,

a plurality of cylindrical chambers arranged in an array within the block assembly,

the chambers formed within and extending perpendicularly through the face plate and

the middle block, wherein the front facing section of the chamber formed within the face

plate includes a circular cut out with a predetermined diameter and the section of the

chamber formed within the block assembly has a diameter greater than the diameter of

the cut out in the face plate,

.....

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SUPPLEMENTAL AMENDMENT

a plurality of removable cylindrical electrodes aligned in a plane, each electrode

maintained separately in a chamber and having a diameter less than the diameter of the

chamber, the front end of each electrode facing the face plate and adapted to receive

thereupon a deposition of material, the rear end of each electrode facing the retainer

plate,

for each electrode, a spring in the chamber extending from the rear end of the

electrode to the front facing interior side of the retainer plate, the spring forcibly

maintaining the front end of each electrode against the cut out section of the face plate,

the spring maintained within a cylindrical retainer capsule having a top surface facing

the rear end of the electrode and an open bottom end from which the spring protrudes,

wherein the retainer capsule for the spring includes a flange at the rear facing end

thereof, the flange adapted to prevent upward movement of the retainer capsule for the

spring in the chamber beyond the ring intrinsically extending inward in the interior of the

chamber,

a ring intrinsically extending inward in a section of the chamber in the block

assembly, the ring longitudinally separating the chamber between a front facing

electrode holding section and a rear facing spring holding section,

the holder being mountable on a programmable x-y table in a PVD chamber and

being movable with respect to a plasma gun array such that each electrode receives a

deposition of material thereupon during the processing of the electrodes in accordance

with a programmed combinatorial material sequence,

the electrodes being removable from the assembly after the completion of

processing.

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SUPPLEMENTAL AMENDMENT

Claim 13. (currently amended) The holder of claim 12 [or claim 9] in which the

surface of the face plate includes a circumferential chamfer longitudinally aligned with a

chamber wherein the chamfer narrows in diameter as the chamfer extends from the

front side of the face plate inward toward the face of the electrode.

Claim 14. (currently amended) The holder of claim 12 [or claim 9] wherein the

face plate includes a circumferential recess extending therein from the side of the face

plate facing the block through a portion of the thickness of the face plate, the recess

being approximately the diameter of the electrode and being adapted to receive therein

the front end of the electrode.

Claim 15. (currently amended) The holder of claim 12 [or claim 9] wherein the

electrode comprises an assembly that includes an outer casing surrounding a cylindrical

section of material upon which the combinatorial materials are to be deposited.

Claim 16. (cancelled)

Claim 17. *(cancelled)*
